

# Gas to Glass Initiative

**Samuel H. Jones**  
GLASS EDUCATION CENTER



Salem County Improvement Authority  
Executive Director: Debby Turner-Fox

# Salem County Improvement Authority

*The MISSION of the Salem County Improvement Authority is to*

- *provide for the orderly planning and development and redevelopment of lands and buildings*
- *provide public facilities for environmentally responsible disposal and recycling of solid wastes and materials*
- *provide public facilities and equipment*
- *provide bond financing for capital development projects*
- *encourage industrial and commercial development*
- *increase employment opportunities all in an effort to improve the quality of life for residents of Salem County.*

# **Salem County Improvement Authority**

- Solid Waste Facility (Alloway Twp. )
- Economic Development Division (Salem)
- Gateway Business Park (Oldsmans Twp.)
- Formerly Salem County Nursing Home (Mannington Twp.)
- County-wide solar and energy conservation program launched

# Methane Generation

- Methane gas is produced when trash decomposes in the landfill
- SCIA's Solid Waste Division produces ~ 800 cfm of methane per month
- Methane gas is extracted from the landfill using a series of “wells” which direct the gas flow to one of three areas at the facility
  - Electric generator
  - Gas to Glass transfer line
  - Flare



# Getting the Project on its Feet

- Former Executive Director of SCUA, Mike Chapman, introduces idea after seeing similar project on a business trip
- Energenic Co. comes up with plan to install the system
- \$532,000 donation from Samuel H. Jones to install state-of-the-art equipment in Paul J. Stankard Studio & Lab

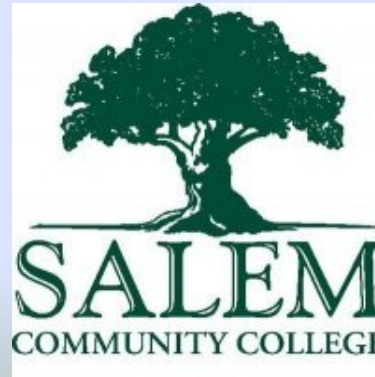
# Methane Generation

- Energetic Company installed a pipeline from the landfill to the Samuel H. Jones Glass Education Center on Route 540
- 100 cubic feet per minute of methane is sent over to the coll

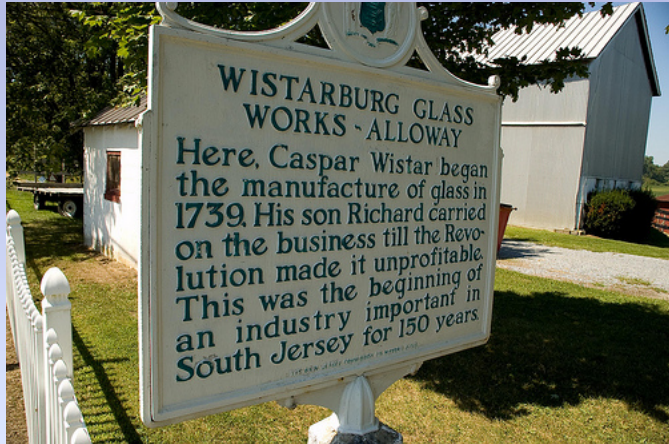


# Partnership

- Public-Private Partnership
- Salem Community College lowers operating costs, advances the glassblowing industry and tradition
- Salem County Improvement Authority saves close to \$70,000 per year in excess methane gas management
- SCIA issues bonds to aid construction of the



# History of Glass Blowing in Salem County



- Wistarburg, operational 1738 to 1782
- Founder Caspar Wistar, button salesman from Philadelphia
- An abundance of white sand, clay, wood, and water transportation in the area made Alloway, NJ an ideal location for the nation's first successful glass factory

[www.wistarburg.org](http://www.wistarburg.org)

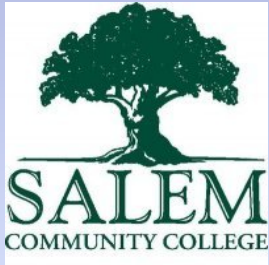


# Samuel H. Jones Glass Education Center



- *Glass: Applied Craft and Design and Scientific Glass Technology* degrees awarded
- 10,000 sq. ft. lab/studio
- Site of the annual International Flameworking Conference

# Questions?



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